

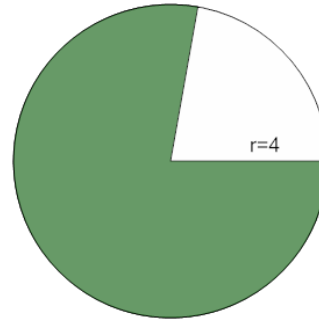


Math worksheet on 'Area of a Circle Sector From Area to Angle (Equation) (Level 3)'. Part of a broader unit on 'Geometry - Circle Area, Sectors and Donuts - Intro'

Learn online:

app.mobius.academy/math/units/geometry_circles_sector_donut_area_logic_intro/

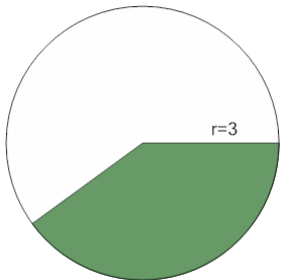
1 Find the sector angle for a sector with area $112/9 \pi$ in a circle of radius 4



a	700°	b	280°
c	840°	d	1,260°
e	140°	f	560°

2

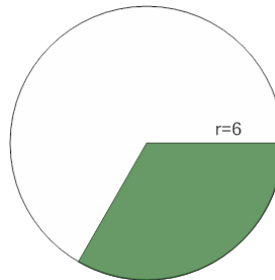
Find the sector angle for a sector with area $18/5 \pi$ in a circle of radius 3



a	564°	b	144°
c	136°	d	556°
e	416°	f	424°

3

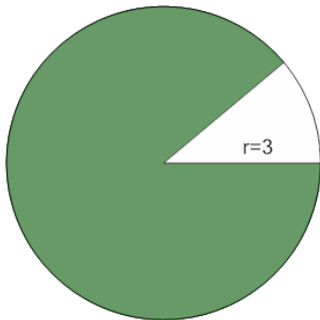
Find the sector angle for a sector with area 12π in a circle of radius 6



a	600°	b	120°
c	420°	d	60°
e	240°	f	300°

4

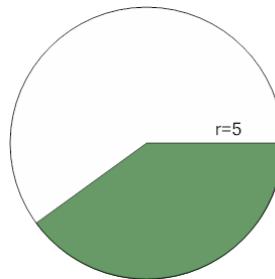
Find the sector angle for a sector with area 8π in a circle of radius 3



a	1,280°	b	320°
c	640°	d	1,600°
e	1,760°	f	480°

5

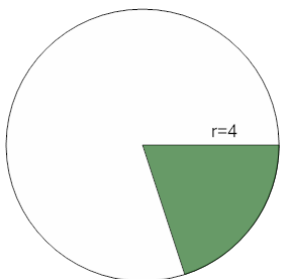
Find the sector angle for a sector with area 10π in a circle of radius 5



a	346°	b	416°
c	494°	d	424°
e	144°	f	276°

6

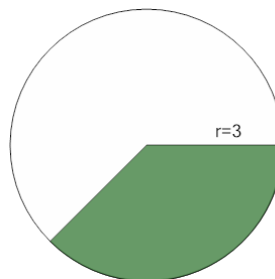
Find the sector angle for a sector with area $16/5 \pi$ in a circle of radius 4



a	72°	b	243°
c	282°	d	103°
e	37°	f	107°

7

Find the sector angle for a sector with area $27/8 \pi$ in a circle of radius 3



a	320°	b	125°
c	135°	d	460°
e	590°	f	525°